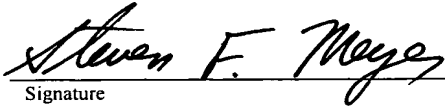


FORM PTO-1390 (REV 07-2005)		ATTORNEY DOCKET NUMBER 5000-5289
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) TBA <b>10/560310</b>
		PRIORITY DATE CLAIMED June 12, 2003
INTERNATIONAL APPLICATION PCT/JP2004/008216	INTERNATIONAL FILING DATE June 11, 2004	
TITLE OF INVENTION FREQUENCY CONVERSION CIRCUIT FOR DIRECT CONVERSION RECEIVING, SEMICONDUCTOR INTEGRATED CIRCUIT THEREFOR, AND DIRECT CONVERSION RECEIVER		
APPLICANT(S) FOR DO/EO/US Takefumi NISHIMUTA; Hiroshi MIYAGI; Tadahi OHMI; Shigetoshi SUGAWA; and Akinobu TERAMOTO		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected. (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> is attached hereto</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or Information:</p> <p style="margin-left: 40px;">Copy of first page of PCT Publication; PCT/IB/308 First Notice; PCT/IB/311; PCT/IB/304; PCT/IB/307; PCT/IB/301; International Search Report; and return receipt postcard.</p>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.55) <b>TBA 10/560310</b>		INTERNATIONAL APPLICATION NO. PCT/JP2004/008216		ATTORNEY'S DOCKET NO. 5000-5289																								
The following fees have been submitted 21. <input checked="" type="checkbox"/> <b>Basic national fee</b> ..... \$300 22. <input checked="" type="checkbox"/> <b>Examination fee</b> If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33 (1)-(4) ..... \$0 All other situations ..... \$200 23. <input checked="" type="checkbox"/> <b>Search fee</b> If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1) - (4) ..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400 All other situations ..... \$500 <b>TOTAL OF 21, 22 and 23 =</b> ..... \$900 <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Total Sheets</th> <th>Extra Sheets</th> <th>Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th>RATE</th> </tr> <tr> <td>60 - 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> </table> Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> <tr> <td>Total claims</td> <td>10 - 20 =</td> <td>0</td> <td>x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>5 - 3 =</td> <td>2</td> <td>x \$200.00</td> </tr> </table> MULTIPLE DEPENDENT CLAIM(S) (if applicable) ..... + \$360.00 <b>TOTAL OF ABOVE CALCULATIONS =</b> ..... \$1300 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. <b>SUBTOTAL =</b> ..... \$1300 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). <b>TOTAL NATIONAL FEE =</b> ..... \$1300 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property ..... + \$40 <b>TOTAL FEES ENCLOSED =</b> ..... \$1340 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2"></td> <td><b>Amount to be refunded:</b></td> <td>\$</td> </tr> <tr> <td><b>Amount to be charged:</b></td> <td>\$1340</td> </tr> </table>				Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	60 - 100 =	/50 =		x \$250.00	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	10 - 20 =	0	x \$50.00	Independent claims	5 - 3 =	2	x \$200.00		<b>Amount to be refunded:</b>	\$	<b>Amount to be charged:</b>	\$1340
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	<b>Amount to be charged:</b>	\$1340																										
a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-4500 (5000-5289)</u> in the amount of \$1340.00 to cover the above fees. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-4500 (5000-5289)</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038. <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: <b>CUSTOMER NUMBER 27123</b> Steven F. Meyer, Esq. Morgan & Finnegan LLP 3 World Financial Center New York, New York 10281-2101 <div style="text-align: right; margin-top: 20px;">             Signature            Steven F. Meyer            Name            35,613            REGISTRATION NUMBER         </div>																												

10/560310

IAP2 Rec'd PCT/PTO 12 DEC 2005

Docket No. 5000-5289

IN THE UNITED STATES

☐ RECEIVING OFFICE (RO/US)  
☒ DESIGNATED OFFICE (DO/US)  
☒ ELECTED OFFICE (EO/US)

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/JP2004/008216	June 11, 2004	June 12, 2003

TITLE OF INVENTION

FREQUENCY CONVERSION CIRCUIT FOR DIRECT CONVERSION RECEIVING, SEMICONDUCTOR INTEGRATED CIRCUIT THEREFOR, AND DIRECT CONVERSION RECEIVER

APPLICANT(S)

Takefumi NISHIMUTA; Hiroshi MIYAGI; Tadahiro OHMI; Shigetoshi SUGAWA; and Akinobu TERAMOTO

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Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Express Mail Certification

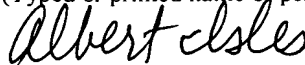
I declare that on the date indicated below I deposited with the United States Postal Service in an envelope "Express Mail, Post Office to Addressee", bearing Label Number EV 622501773 US, addressed to the Commissioner for Patents, Box PCT (DO/EO/US), P.O. Box 1450, Alexandria, VA 22313-1450 and having an express mail certification which I executed, the following papers:

1. Transmittal Letter to the US Designated/Elected Office (DO/EO/US) Concerning a Submission under 35 USC 371;
2. Specification: 44 pps; Claims: 7 pps; Abstract 1 pp;
3. Formal Drawings: 8 sheets (Fig 1-8);
4. Information Disclosure Statement;
5. PTO Form 1449 and cited references;
6. International Search Report;
7. Preliminary amendment;
8. Assignment and Assignment Recordation;
9. Declaration;
10. PCT/IB/308;
11. First page of published application;
12. PCT/IB/311;
13. PCT/IB/304;
14. PCT/IB/307;
15. PCT/IB/301; and
16. Return receipt postcard

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Albert Isles

(Typed or printed name of person making this verified statement)



(Signature of person making this verified statement)

December 12, 2005

Date